

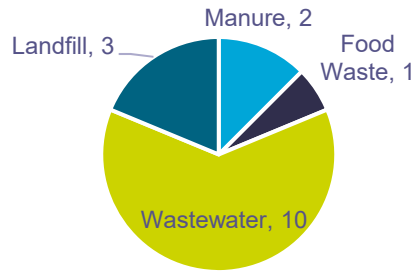
ARIZONA

BIOGAS STATE PROFILE

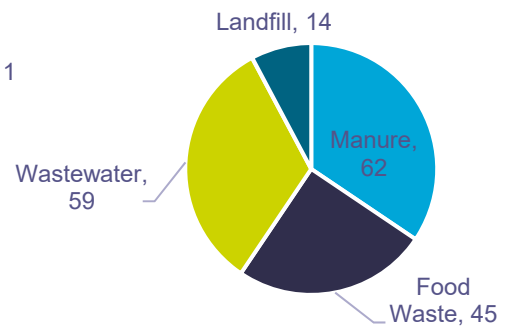


Arizona ranks **25th** out of 50 states for its biogas production potential. We estimate up to 16.25 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!

Operational Systems (16)



Potential Systems (180)



THE POWER OF 25.39 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **1361 million** kW·h electricity and **530 million** BTU/h by engine; OR
- **2276 million** kW·h electricity and **3793 million** kW·h by fuel cell; OR
- **330 thousand** gallons vehicle fuel; OR
- **120 million** kW·h heat.

ECONOMIC GROWTH:

Constructing 180 new systems would generate about...

- **\$540 million** in capital investments,
- **4501** construction jobs, AND
- **299** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **717 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **99300** acres of forest, OR
- Removing **1.6 million** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	5.5 million tons/yr	11.4 billion cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	5.2 million tons/yr	
<i>Swine</i>	294000 tons/yr	
<i>Turkey</i>	-	
Food Waste	2.25 million tons/yr	12.31 billion cuft/yr
Landfill	-	-
Wastewater Facility*	283 gallons/day	1.64 billion cuft/yr
Total Biogas	-	25.39 billion cuft/yr

*Wastewater facility greater than 1 MGD